



STORM DRAIN ANALYSIS LEGEND

- - - - - DRAINAGE DIVIDE
- LOD LIMIT OF DISTURBANCE
- PROPOSED STORMWATER MANAGEMENT FACILITY
- IMPERVIOUS AREA COVERAGE

AMT
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FROM	TO	Area (ac)	"C"	CxA ac	Σ CxA ac	T _c min	Σ T _c min	i in/hr	Q _A cfs	Span in	Hgt in	A ft	P ft	R ft	L ft	Slope %	n	Inverts		Q _u cfs	% of Q _u	Q OK?	Q _A cfs	d ft	V _A fps	V _u fps
																		Upper	Lower							
DB-10	DB-9	0.0301	0.822	0.02	0.02	5.00	5.00	7.00	0.17	6	6	0.20	1.57	0.13	38	1.00	0.012	476.00	475.62	0.61	28.69	F.S. > 1	0.17	0.18	2.66	3.10
DB-9	MH-5	0.0296	0.826	0.02	0.05	5.00	5.24	6.95	0.35	6	6	0.20	1.57	0.13	36	2.55	0.012	475.52	474.60	0.97	35.53	F.S. > 1	0.35	0.21	4.48	4.95
MH-5	MH-4	-	-	0.00	0.05	-	5.37	6.93	0.34	6	6	0.20	1.57	0.13	21	2.43	0.012	474.50	474.00	0.95	36.30	F.S. > 1	0.34	0.21	4.47	4.83
MH-4	MH-3	-	-	0.00	0.05	-	5.45	6.91	0.34	6	6	0.20	1.57	0.13	109	4.49	0.012	473.90	469.00	1.29	26.63	F.S. > 1	0.34	0.18	5.50	6.56
DB-8	MH-3	0.4118	0.695	0.29	0.29	5.00	5.00	7.00	2.02	12	12	0.79	3.14	0.25	14	1.04	0.012	469.15	469.00	3.93	51.33	F.S. > 1	2.02	0.51	5.07	5.01
MH-3	MH-2	-	-	0.00	0.34	-	5.78	6.84	2.31	12	12	0.79	3.14	0.25	65	1.01	0.012	468.90	468.25	3.87	59.72	F.S. > 1	2.31	0.56	5.13	4.93
DB-7	DB-6	0.0312	0.802	0.03	0.03	5.00	5.00	7.00	0.18	6	6	0.20	1.57	0.13	54	3.50	0.012	478.00	476.10	1.14	15.56	F.S. > 1	0.18	0.14	4.13	5.79
DB-6	DB-5	0.0157	0.826	0.01	0.04	5.00	5.22	6.95	0.27	6	6	0.20	1.57	0.13	31	2.93	0.012	476.00	475.10	1.04	25.63	F.S. > 1	0.27	0.17	4.39	5.30
DB-5	DB-4	0.0157	0.829	0.01	0.05	5.00	5.34	6.93	0.36	6	6	0.20	1.57	0.13	18	4.91	0.012	475.00	474.10	1.35	26.52	F.S. > 1	0.36	0.18	5.72	6.86
DB-4	DB-3	0.0157	0.827	0.01	0.06	5.00	5.39	6.93	0.45	6	6	0.20	1.57	0.13	31	9.39	0.012	474.00	471.10	1.86	24.04	F.S. > 1	0.45	0.17	7.81	9.49
DB-3	MH-2	0.0156	0.829	0.01	0.08	5.00	5.45	6.91	0.54	6	6	0.20	1.57	0.13	16	9.29	0.012	471.00	469.50	1.85	28.97	F.S. > 1	0.54	0.18	8.16	9.44
MH-2	DB-2	-	-	0.00	0.41	-	5.99	6.79	2.82	12	12	0.79	3.14	0.25	42	1.01	0.012	468.00	467.57	3.88	72.67	F.S. > 1	2.82	0.63	5.37	4.95
DB-2	MH-1	0.0334	0.791	0.03	0.44	5.00	5.22	6.95	3.07	12	12	0.79	3.14	0.25	30	2.17	0.012	467.40	466.75	5.68	54.12	F.S. > 1	3.07	0.52	7.39	7.23
DB-1	MH-1	0.1239	0.572	0.07	0.07	5.00	5.00	7.00	0.50	9	9	0.44	2.36	0.19	56	1.02	0.012	467.32	466.75	1.81	27.68	F.S. > 1	0.50	0.27	3.47	4.09
MH-1	EX-1	-	-	0.00	0.51	-	6.12	6.75	3.47	12	12	0.79	3.14	0.25	33	4.75	0.012	466.65	465.10	8.41	41.25	F.S. > 1	3.47	0.45	10.24	10.71
EX-1	EX-2	0.6482	0.411	0.27	0.78	5.00	6.17	6.75	5.28	15	15	1.23	3.93	0.31	144	2.84	0.013	464.97	460.86	10.90	48.47	F.S. > 1	5.28	0.61	8.87	8.88

MARK DATE DESCRIPTION

PROJECT NO: 20-0166.002
 SCALE: 1"=20'
 DESIGNED BY: ABS
 DRAWN BY: ASC
 CHECKED BY: ABS

**STORM DRAIN ANALYSIS
 PLAN**

CU-102

SHEET VALUE OF ---